

--28. (Amended) The communication terminal device as claimed in claim 23, further comprising

data storage means for storing data inputted from the equipment via the short distance radio communication means,

wherein the control means controls transmission/reception of the data stored in the data storage means to/from the communication network.

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Cond. --29. (Amended) The communication terminal device as claimed in claim 28,

wherein the control means controls processing to set the connection again, in response to discrimination that the communication connection setting means cannot establish setting of the connection with the communication network, and transmits/receives the data stored in the data storage means to/from the communication network.--

REMARKS

Claims 1-12, 15-20 and 23-29 remain in the application and have been amended hereby.

As will be noted from the Declaration, Applicant is a

citizen and resident of Japan and this application originated there.

Accordingly, the amendments made to the specification are provided to place the application in idiomatic English, and the claims are amended to place them in better condition for examination.


Attached hereto is a version with markings to show changes made to the abstract and claims by the current amendment.

The Office is hereby authorized to charge any additional fees which may be required in connection with this Preliminary Amendment and to credit any overpayment to our Deposit Account No. 03-3125.

If a telephone interview could advance the prosecution of this application, the Examiner is respectfully requested to call the undersigned attorney.

An early and favorable examination on the merits is earnestly solicited.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE ABSTRACT OF THE DISCLOSURE

The Abstract has been amended as follows:

[As a] A radio communication CPU [89] controls each section of a radio communication device included in a short distance radio communication network by using network setting information in a network setting storage section [86 of radio communication device 3 included in a short distance radio communication network, a]. A connection relation with a communication network (for example, the Internet) is set and transmission/reception of data to/from [an] equipment included in the communication network via the short distance radio communication network is controlled. Thus, the network setting or the like for connecting to the Internet or the like is simplified for each portable equipment existing in the short distance radio communication network.

IN THE CLAIMS

Claims 1-12, 15-20 and 23-29 have been amended hereby.

1. (Amended) A communication device comprising:

wired communication means for providing/receiving data via physical connection means to/from a mounted host equipment;

short distance radio communication means for transmitting/receiving data to/from an external communication network via a short distance radio communication network;

storage means in which communication setting information is stored as information related to the communication network [is stored]; and

communication control means for setting a connection relation with the communication network via the short distance radio communication network on [the] a basis of the communication setting information stored in the storage means, and controlling transmission/reception of data between the communication network and the host equipment.

2. (Amended) The communication device as claimed in claim 1,

wherein individual information is stored in the storage means as information related to a user operating the host equipment [is stored in the storage means], and

wherein the communication control means sets the connection

between the host equipment and the communication network by using the communication setting information [stored in the storage means] and the individual information stored in the [individual information] storage means.

3. (Amended) The communication device as claimed in claim 1,

wherein at least one protocol of PPP (point to point protocol), IP (Internet protocol), and TCP (transport control protocol) is stored in the storage means, and

wherein the communication control means sets the connection between the host equipment and the communication network by using at least one protocol stored in the storage means and controls transmission/reception of data between the host equipment and the communication network.

4. (Amended) The communication device as claimed in claim 3, further comprising

discrimination means for discriminating whether to set the connection between the host equipment and the communication network by using at least one protocol of PPP (point to point protocol), IP (Internet protocol), and TCP (transport control

protocol) stored in the host equipment and carry out transmission/reception of data between the host equipment and the communication network, or to set the connection between the host equipment and the communication network by using at least one protocol stored in the storage means and carry out transmission/reception of data between the host equipment and the communication network,

wherein in accordance with [the] a result of discrimination [to the effect] that the connection between the host equipment and the communication network is set by using at least one protocol stored in the storage means and that transmission/reception of data is carried out between the host equipment and the communication network, the communication control means sets the connection between the host equipment and the communication network by using at least one protocol stored in the storage means and controls transmission/reception of data between the host equipment and the communication network.

5. (Amended) The communication device as claimed in claim 2,

wherein the communication control means discriminates whether the individual information stored in the storage means

is usable [or not] by using password information inputted from the host equipment, and sets the connection between the host equipment and the communication network on [the] a basis of [the] a result of discrimination.

6. (Amended) The communication device as claimed in claim 1,

wherein the storage means temporarily stores data inputted from the host equipment via the wired communication means, and

wherein the communication control means carries out control so as to transmit/receive the data temporarily stored in the storage means to/from the communication network.

7. (Amended) The communication device as claimed in claim 1,

wherein the communication control means sets a connection relation between a public communication network and the host equipment and controls transmission/reception of data between the host equipment and the public communication network.

8. (Amended) A communication method for a communication device having a wired communication section for

supplying/receiving data to/from a host equipment via physical contact means and a short distance radio communication section for transmitting/receiving data to/from an external communication network via a short distance radio communication network, the method comprising the steps of:

using communication setting information stored in the communication device as information related to a communication network outside the short distance radio communication network, [stored in the communication device,] so as to set a connection relation between the radio [control device] communication section and the communication network via the short distance radio communication network; and

carrying out transmission/reception of data between the communication device and the communication network by using the connection relation between the communication device and the communication network, and carrying out supply/reception [between] of data between the host equipment and the communication device, thus controlling transmission/reception of data between the host equipment and the communication network.

9. (Amended) The communication method as claimed in claim 8,

wherein a connection relation between the host equipment and the communication network is set by using individual information stored in the communication device, [which] wherein the individual information is information related to a user operating the host equipment.

10. (Amended) The communication method as claimed in claim 8,

wherein the connection between the communication device and the communication network is set by using at least one protocol of PPP (point to point protocol), IP (Internet protocol), and TCP (transport control protocol), and transmission/reception of data is carried out between the host equipment and the communication network.

11. (Amended) The communication method as claimed in claim 10,

wherein it is discriminated whether to set [a] the connection relation between the host equipment and the communication network by using at least one protocol of PPP

(point to point protocol), IP (Internet protocol), and TCP (transport control protocol) stored in the host equipment and carry out transmission/reception of data between the host equipment and the communication network, or to set [a] the connection relation between the host equipment and the communication network by using at least one protocol stored in the communication device and carry out transmission/reception of data between the host equipment and the communication network, and

wherein in accordance with [the] a result of discrimination [to the effect] that [a] the connection relation between the host equipment and the communication network is set by using at least one protocol stored in the communication device and that transmission/reception of data is carried out between the host equipment and the communication network, [a] the connection relation between the host equipment and the communication network is set by using at least one protocol stored in the communication device and transmission/reception of data is carried out between the host equipment and the communication network.

12. (Amended) The communication method as claimed in claim 9,

wherein it is discriminated whether the individual information is usable [or not] by using password information inputted from the host equipment to the communication device, and

wherein [a] the connection relation between the communication device and the communication network is set on [the] a basis of [the] a result of discrimination.

15. (Amended) A communication device comprising:

wired communication means for providing/receiving data via physical contact means to/from a mounted host equipment;

short distance radio communication means for providing/receiving data to/from an external communication network via a short distance radio communication network;

storage means in which communication setting information is stored as information related to the communication network [is stored]; and

communication control means for setting a connection relation with the communication network via the short distance radio communication network on [the] a basis of the communication setting information stored in the storage means, and controlling

transmission/reception of data between the communication network and the host equipment;

the wired communication means, the short distance radio communication means, the storage means, and the communication control means being housed in a single casing;

wherein the wired communication means is arranged on one side of the communication control means, and the short distance radio communication means is arranged on the other side of the communication control means.

16. (Amended) The communication device as claimed in claim 15,

wherein the casing is in a plate-like shape, and

wherein the short distance radio communication means is arranged on one end of the casing, and the wired communication means is arranged on [the other] another end of the casing.

17. (Amended) The communication device as claimed in claim 16,

wherein [the] a thickness of the casing is greater on the other end than on the one end.

18. (Amended) A communication device comprising, in a casing constituted to have a predetermined outer dimension that allows free attachment/detachment of at least a part thereof to/from a recessed connection part provided in a mounted host equipment:

wired communication means for providing/receiving data via physical contact means to/from the [mounted] host equipment;

short distance radio communication means for providing/receiving data to/from an external communication network via a short distance radio communication network;

storage means in which communication setting information is stored as information related to the communication network [is stored]; and

communication control means for setting a connection relation with the communication network via the short distance radio communication network on [the] a basis of the communication setting information stored in the storage means, and controlling transmission/reception of data between the communication network and the host equipment.

19. (Amended) The communication device as claimed in claim 18,

wherein the casing is in a plate-like shape, and

wherein the short distance radio communication means is arranged on one end of the casing, and the wired communication means is arranged on [the other] another end of the casing.

20. (Amended) The communication device as claimed in claim 19,

wherein the casing is connected to the recessed connection part of the host equipment, with the other end exposed [to the] outside from the host equipment.

23. (Amended) A communication terminal device comprising:
public communication connection means operated by a user so as to be connected to a public communication network for providing/receiving data;

short distance radio communication means for transmitting/receiving data to/from [another] an equipment included in a short distance radio communication network via the short distance radio communication network;

communication setting information storage means in which

communication setting information is stored as information related to an external communication network to be connected via the public communication network [is stored];

communication connection setting means for setting a connection with the communication network via the public communication network by using the communication setting information stored in the communication setting information storage means; and

control means for controlling [to carry out] transmission/reception of data between [said another] the equipment and the communication network by using [a] the connection [relation] with the communication network set by the communication connection setting means.

24. (Amended) The communication terminal device as claimed in claim 23, further comprising

individual information storage means in which individual information is stored as information related to the user [is stored],

wherein the communication connection setting means sets the connection between the short distance radio communication means and the communication network by using the communication setting

information stored in the communication setting information storage means and the individual information stored in the individual information storage means.

25. (Amended) The communication terminal device as claimed in claim 23,

wherein at least one protocol of PPP (point to point protocol), IP (Internet protocol), and TCP (transport control protocol) is stored in the communication setting information storage means, and

wherein the communication connection setting means sets the connection with the communication network via the public communication network by using at least one protocol stored in the communication setting information storage means, and the control means [carries out control so as to transmit/receive] controls transmission/reception of data between [said another] the equipment and the communication network by using at least one protocol stored in the communication setting information storage means.

26. (Amended) The communication terminal device as claimed in claim 25, further comprising

discrimination means for discriminating whether to set the connection between the short distance radio communication means and the communication network by using at least one protocol of PPP (point to point protocol), IP (Internet protocol), and TCP (transport control protocol) stored in [another] the equipment and carry out transmission/reception of data between [said another] the equipment and the communication network, or to set the connection between the short distance radio communication means and the communication network by using at least one protocol stored in the communication setting information storage means and carry out transmission/reception of data between [said another] the equipment and the communication network,

wherein in accordance with [the] a result of discrimination [to the effect] that the connection between the short distance radio communication means and the communication network is set by using at least one protocol stored in the communication setting information storage means and that transmission/reception of data is carried out between [said another] the equipment and the communication network, the communication connection setting means sets the connection between the short distance radio

communication means and the communication network by using at least one protocol stored in the communication setting information storage means, and the control means controls transmission/reception of data between [said another] the equipment and the communication network by using at least one protocol stored in the communication setting information storage means.

27. (Amended) The communication terminal device as claimed in claim 24, further comprising

password processing means for discriminating whether the individual information stored in the individual information storage means is usable [or not] by using a password inputted from [said another] the equipment,

wherein the communication connection setting means sets the connection with the communication network via the public communication network on [the] a basis of [the] a result of discrimination from the password processing means.

28. (Amended) The communication terminal device as claimed in claim 23, further comprising

data storage means for storing data inputted from [said

another] the equipment via the short distance radio communication means,

wherein the control means [carries out control so as to transmit/receive] controls transmission/reception of the data stored in the data storage means to/from the communication network.

29. (Amended) The communication terminal device as claimed in claim 28,

wherein the control means [carries out] controls processing to set the connection again, in response to discrimination [to the effect] that the communication connection setting means cannot establish setting of the connection with the communication network, and transmits/receives the data stored in the data storage means to/from the communication network.